GOLDEN WEST

NO W-730

19¢

ANTS —

OLD WORLD — DRIVER ANTS —

ENICTUS

DORYLUS (DORYLINAE)

NEW WORLD — ARMY ANTS

ECITON

SUBFAMILY PONERINAE
PONERINE (PONERA)

CAMPONOTUS

PHEIDOLE - big heads

OECOPHILA - taylor ants

CREMATAGASTER - pointed abdomens.

CRYPTOLAUCUS - flat, broad ants on trees.

GEOPHILIDAE —
GEOPHILA — slender centipedes, taper to the rear.

STOP 152 — 450 meters —
680
Sal, ficus
4 MI. N. JAGDALPUR M.P.
Bats — tremendous flocks

71.1
684 - JAGDALPUR
27
KOTTUPODA — 703
↖ 6 MI. E.

500 meters — 711
sal forest – rule laterite
24 MI. N. JEYPORE
~~27 MI. E. JAGDALPUR~~ ORISSA

ADI BASI

JEYPORE — 735
~~741~~

775 meters — 741
STOP 153 ORISSA
8 MI. N.W. KORAPUT

749 - KORAPUT

757 KORAPUT

KOND (KHOND)

KUVI KOND, KUI KOND

820 meters
767 missionaries 17 MI. S.E. KORAPUT

840 meters — bank
[illegible] — 774
POTTANGI

POTTANGI 778

3,345 feet
stop 154 781
clump of trees,
[illegible]
3 MI. S.E. POTTANGI

giant wild mango,
different fauna

SUNKI — 79
[illegible]

155 — SUNKI 13 MI. S.E. POTTANGI
550 meters — ORISSA
791 dense forest,
~~[illegible]~~ large [illegible] —
evergreen forest, thorny
trees, lantana, bamboo
mangos

156
285 meters II-4-62
798 — dry brush
slope, swallowtail,
6 MI. W. SALUR

tribal women
smoking long cigars

SIRUR — 804

826 — GAJAPATINAGARAM

palm trees, ponds,
green meadows,
knobby hills

VIZIANAGRAM - 840

8 MI. S. VIZIANAGRAM

~~[illegible]~~ coastal

plains quartz

hill.

928 972 929
887 887
92

palm leaf roofs

right down to

ground.

Communal / village

[illegible]

COROMANDEL plain

Rest House

SABBAWARAM - 876

ANAKAPALLE 887

ELAMANCHILI - 904

palm leaf dependent

culture.

920 STOP 157

8 MI. N.E. TUNI

II-5-62

NAMAVARAM 30 M.

rocky slopes,

thorny scrub.

TUNI - 928

ANNAVARAM 938

KATTIPUDI

DHARMAVARAM 952

Cashew nut.

plantation.

[illegible]

RAJAHMUNDRY 989

GODAVARI R. 998

KOWER 999

STOP 158 – A.P.: 15 M. S.W.
RAJAHMUNDRY II-5-62

PANGIDI-006.
R.H. CAMP

016 – mango grove.

026 – KAYYALGUDEM

pungent smell of mango blossoms, like Chinquapin

100 meters – 046
dense dry jungle.
STOP 159 – 5 MI. S.E.
ASHWARAOPET.

ASHWARAOPET
051

200 meters STOP 160
75 spec.
056 (w. of ASH.)
dry, thorn. bush
[illegible]
5 MI. W. ASHWARAOPET

~~STOP~~ SATHPALLI-072
MASTIBANDA
TEKULPALLY – 086
KALLUR-092
WYRA – 106
KONIJERLA 110

THANIKELLA R.H. 113
STOP 161 – A.P.: 10 MI. E.
KHAMMAM II-6-62
225 meters –

GOPALPUR – 117

KHAMMAM – 121
election signs all over the walls VOTE COMMUNIST party.

100 meters – 162
125
4 MI. W. KHAMMAM
dry, rocky hills – grass.

PALAIR - 137

rice paddies

.56
5)2.80
2.80

1.76
5)8.80
5
3.8

1.76
.56
2)3.52

1.30
.75
.75
3.80
8.80
11.6
15.80
2.00
2.80
28.00

SURIAPET -

172 - NAKREKAL

AITPAMLA - 176

187 - NARKATPALLI

300 meters - 189

STOP 163 - granite hill, big [illegible].

2 MI. W. NARKATPALLI

CHITYAL - 193

palms, [illegible] beans, rice.

HYDERABAD - 248

BANJARA HILLS

263 - PATANCHERU

274 - KANDI

SADASIPET - 282

big [illegible] black [illegible] with [illegible]

STOP 164 292 **A.P.:**

lava rocks

temple on top of hill. 600 meters

10 MI. N.W. SADASEOPET

200 spec.

RANJOL - 305

ZAHIRABAD - 308

CHIRAGPALLI 317

HOMNABAD 341

CHANDKAPUR 361

OMARGA - 376

NALDURG - 400

SHOLAPUR 451 [illegible]m

STOP 165 - 20 Mi. N.W. SHOLAPUR,
II - 8 - 62 MAHARASHTRA

Small

MOHOL REST-HOUSE

450 meters

4?? MOTEL

1?? - BHIGWAN

STOP 166 - MAHARASHTRA
450 meters -
5 MI. S.E. INDAPUR
100 M.
II - 9 Roadside stop - mawa [illegible]

INDAPUR 494
BHIGWAN - 515
monotonous Deccan country 90° F, pleasant, smell of mangoe & sugar [illegible]. Streets lined with big banyans

STAY AT OUR DREAMLAND
VEGETARIAN HOTEL

WILD IRISH NOSE

PANCHGANI -

c/o DR. T.N. ANANTHAKRISHNAN
ZOOLOGY DEPARTMENT
LOYOLA COLLEGE,
MADRAS

12

TRUCK DIMENSIONS

8'6"
8'7" high

6 12 ft. 7"
6

17 ft. 10" long

6 ft 10 inches wide

BERNARD CARP
HOUT BAY, CAPE TOWN,
U. OF. S AFRICA
succulent man

445 MUHOL

616 - BHIGWAN

[illegible]

618 - POONA

12600 - LUBRICATION
POONA
II - 10-62

silk cotton tree deciduous with pink flowers - several other Deccan decid. trees blooming in ghats - bright yellow flowers, small pink ones.

beautiful Deccan plateau country.

WAI - 670
618
52

auto 1100 [illegible]
616

WILD IRISH NOSE

PANCHGANI -
large numbers of silk cotton.

Move from dry euphorbia slopes across plateau into more & more growth.

STOP 167 - POONA.

STOP 168 - 686 -
~~1200~~ meters 250 meters
MAHABLESHWAR

686
618
68
5.78

689 - MAH.

~~169 MAHAB. [illegible]~~
~~1200 meters~~

3.28

9500

1300
3.28
10400
2600
3900
4264

LINGMALA

BEGAN PILL BOTTLE -
FEB. 14

692 - [illegible]

WAI - 712

SATARA - 732

ATIT - 790

KOLHAPUR - 807

818 - SHIRGAON

NIPANI - 830

many twistes.

90° F.

SANKESHWAR 844

[illegible] 855
650 meters

BHUTIA

---

800 meters MYSORE
STOP 169 10 MIN. II-15
862 BELGAUM

dry flat forest big papaya in [illegible]

BELGAUM - 873

prosperous, irrigated
farm valley,

II 16-62 70° morning

CAMP: R.F. 10 MI. N.W. KITTUR II-15

LIZARD, flying [illegible] -
897 -
700 meters

KITTUR - 901

new kind of
[illegible]

[illegible]
[illegible]

923 - DHARWAR
deciduous forest —
teak ,

STOP 170
942 —
2 MI. N. E. HALIYAL
550 meters dry
ants, on trees, [illegible] forest
[illegible]

HALIYAL - 944
SAMBRANI - 951

STOP 171 —
500 meters [illegible] bamboo
953 10 MI. S. HALIYAL 11-6
dry forest, big logs.

BHAGWATI - 958
giant bamboo

STOP 172 - 550 meters
3 MI. N. YELLAPUR
970 11 16
dense jungle

YELLAPUR 975

SIRSI — 03
75°F MRE
600 meters 11-6
STOP 173 Camp
F.H.

SIRSI — 005
wild jungle
[illegible] — grey & red —
[illegible] look like
[illegible]

KANSUR - 012
2 MI. N. TYAGLI

STOP 174 - 014
small [illegible] - young
with [illegible] — large
[illegible] + 1 long-legged
slightly larger [illegible]
not with young.
500 meters.
dense jungle DRY
beetle flying around
tree

TYAGLI — 016

SIDDAPUR — [illegible]

STOP 175 — 039
525 meters
dusty jungle,
damselflies,

[illegible]

JOG FALLS
90°F 75°F evening

SHRI K. V.
LAKSHMINARAYANA

045 — JOG FALLS
TALGUPPA — 057

[illegible] — 061 —
550 meters

STOP 176 — 063
600 meters
SAGAR
roadside forest, dry
fields nearby partially
150 specimens evergreen.

069 — sagar

STOP 177
650 meters — 097
KUMSI — 098
dry slope, dead
bamboo
few insects thin jungle.

16 MI. N.W. SHIMOGA
II — 18 - 62
100 specimens

STOP 178 — SHIMOGA.
circuit house —
75° evening 1000 specimens

YLUR
II - 20

16 · SHI[illegible]

128 — 600 meters

STOP 179 10 MI. S.W. SHIMOGA, II-19-62
dry thorn forest above lake

swellings
second stop — 130

MALUR — 146
1000 specimens

STOP 180 — more evergreen forest
575 meters
148 red soil embiids under bark flakes near road
100 specimens
8 MI. N.E. TIRTHAHALLI

156 — TIRTHAHALLI
Vanilla

164 700 meters
butterfly / dung beetles
dance flies

KOPPA — #72

STOP 181 — camp in forest, grodeli, barking deer
192 12 MI. N. BALEHONNUR II-19-62
760 meters
250 specimens DEW

CHIKAGRAHAR village

204 - BALEHONNUR
Rubber plantation
coffee plantation, silk oaks for shade

shell, termites [illegible]
212 - 700 meters

182 STOP Coffee plantation 15 MI. S.W. CHIKMAGALUR
900 meters 220 II-20
100 specimens.

CHICKMAGALUR —
235

1025 meters
239 **10 MI. N. BELUR**
II-20-62
dry field, rocky
ridge
STOP 183 pond.
1500 specimens
grasshoppers

249 – BELUR
MYSORE PLATEAU
large [illegible] rolling
hills with ridges
[illegible]
273 – HASSAN
(camp – travellers
bungalow)
Rain at last
to settle the
dust.

SAKLESHPUR – 270
beautiful JACARANDAS

STOP 184 – coffee plantation –
much Lepidoptera, little, but no
Embiidae – coccinellids under
bark. scales –
900 meters 303
7 MI. S.E. SAKLESHPUR, II-21-62
100 specimens
well in road

KODLIPET – 317
where there's a will
there's a way
100 [illegible] ~~200~~ specimens
15 MI. N.[illegible]. SOMWARPET
II-21-62
STOP 185 – 960 meters
320 – forested slope
bordered by grassy
fields –
smaller forest
mixed **250 specimens**
[illegible]

spring leaves

SOMWARPET — 335

980 meters few
dung beetles, etc. —
343

STOP 186
c 1000 meters
big beetles, lizard
dense forest, ginger
352 **8 MI. N.E MERCARA**
II-21-62

200 specimens

MERCARA — 362

5 MI. S.E. MERCARA
STOP 187 — 1100 meters —
367
60
43
forest above road
coffee plantation near —
many [illegible]
[illegible]

SIDAPUR — 379
4 MI. S.W. SIDAPUR, II-22-62
STOP 188 950 meters,
383 evergreen-decid.
forest, leaves on
ground — big ant nest

AMMATHI village
VIRAJPET — 389

WATEKOLLY forest rest
house

STOP 189 — CAMP — forest
rest house
7 MI. S.W. VIRAJPET, II-22-62
75° — 70°F 700 meters

giant bamboo,
rain forest —
[illegible] ants
bird [illegible]
[illegible]
[illegible]

STOP 190 — KAPMUK:
404 — 100 meters
open forest, red
soil — few birds,
big scorpion. 50 spec.
near MAKUT
Forest R.H.
18 MI. N.E. MATTANUR

IRITTI — 413
MATTANUR — 422
AICHUR — 432
CHOVVA — 437
CANNANORE
decent fishing
TELLICHERRY — 454
KADIRUR — 459
MATTANUR — 471
13 mile post — 492

505 — VIRAJPET
HATURE — 512
CONJKOPAL — 515

850 meters STOP 191
517 — cut mixed
forest, rolling
(12 MI) country,
barking stop.
12 MI. E. VIRAJPET

800 meters under bark
flat spiders [illegible]
534

5 MI. W. HONSUR, II - 24
850 meters 137
STOP 192
dry thorn bush,
rocky slope
[illegible], 1 female, male [illegible]

HUNSUR — 542
wide open spaces — [illegible] grassland, gently rolling plain

o°F

13

8 MI. S.W. MANDYA, II-25
700 meters — 586
STOP **193** — rocky granite hill, little grasses sandy moist ground
200 specimens

MANDYA — 594

MODDUR — 605

CHANNAPATNA — 617

CHIKMANG-ODDERER
[illegible]

RAMANAGARAM — 625

peculiar bare [illegible] hills

large vial - CD
smaller centipede with eggs
with [illegible] ants - THROCIDS

small vial - young with small ants.

[illegible] big vial - 2 termite bites - same species?

6 MI. N.E. RAMANAGARAM
750 meters — 631 —

STOP **194** — grassy granite hill, few trees, rolling plain, bare fields, raining, ground moist
many termites in dung, big scorpion

BIDADI — 635

5 MI. S.W. BANGALORE
II-25
STOP **195** - 698
gentle rolling plain, rocky ground fairly dry. Shrubby [illegible] trees

800 meters

MANY EMBIID EGGS

[illegible] large vial - young with Camponotus.

[illegible] 80°F

EDS UIAL all young, males, females, workers. [illegible]

BANGALORE — 65
beautiful jacarandas
BANGALORE 668
stone slab fences
stone grape stakes

---

820 meters - 704
STOP 196 small
pond at base of
granite hill,
frogs tadpoles
KOLAR II-26

beautiful flame of the forest trees

V.P. RAO

V. Sudha Rao
c/o Dr. Paul DeBach
Riverside
CITRUS EXPERIMENT ST.

---

723 meters (A.P.)
STOP 197 - 743
granite hill covered
with thorn [illegible]
[illegible]

dry 80°F
many scorpions
[illegible]
[illegible]

6 MI. W. PALMANER
PALMANER - 749
CHITTOOR - 773

300 meters
few mesas rolling
lower plateau
flats – sedimentary
rocks + thorn scrub
2 big shells

12 MI. N. VELLORE

STOP 198 – VELLORE
200 meters
11 – 26 – 27

II – 25

804 VELLORE
ARCOT — 817
RANIPET 819
[illegible] – 831
CONJEEVERAM

CAPT. ALEXANDER A. HUBERT
U.S. ARMY MED. RESEARCH UNIT
INST. FOR MED. RES.
KUALA LUMPUR
MALAYA

~~good bird book~~
FUNDAMENTALS OF ORNITHOLOGY
JOSSELYN VAN TYNE
ANDREW J. BERGER
JOHN WILEY & SONS, INC.
NEW YORK. 1959

BRITISH COLONIAL DEVELOPMENTS, 1774–1834
VINCENT HARLOW
FREDRICK MADDEN
OXFORD UNIV. Press.
1953

A lain, Dutt & Co
29, Mount Road
Madras 2
1" diameter 4" & 6"

A lain, Dutt & Co
29, Mount Road
Madras 2

WHITE-CAPPED redstart
in Himalayas

MILEAGE - 13920
MADRAS - LV 6

left Madras Sunday
morning March 9.
3 [illegible] ~

MADRAS
930

SRIPERUMBUDUR
951

RANIPET

[illegible] 1012

G[illegible] 029

STOP 199 — MADRAS: 10 MI.
S.W. GUDIYATTAM
550 meters

PERNAMBUT — 42

AMBUR — 52

VANIYAMBADI 1065

KRISHNAGIRI 95

DHARMAPURI 122

450 meters
135 3 MI. N TOPPUR
STOP 200

350 meters [illegible]
Yellow [illegible]

TOPPUR 137

THOPPUR – 158.
16[illegible] – Salem jcn.

175 camp

1300 meters dry
A[illegible]
8 MI from junction

near CAUVERY PENINS[illegible]
(forest rest house)

SHEVROY HILLS

STOP 201 – YERCAUD,
MADRAS. 1300 meters.
III-6-62
2000 specimens

begin III-7-62
197 camp

1125 MI APPROX

700 meters 203
one vial, few
Cryptidae – dry slope
[illegible]
8 MI. from YERCAUD

400 meters / 207
1 vial big Carabids

211 – Salem jcn.
OMALUR – 221
METCHERI 230
METTUR 244
BHAVANI – 269
Cryptids – 4 MI. S.
BHAVANI 250 meters

PERUNDURAI 283

[illegible] - 303 - 300 meters
2 MI. E. AVANASHI

AVANASHI 305 /
huge wooden pagoda
on wooden wheels
7 ft in diameter.

350 meters 312
STOP 202
7 MI. S.W.
AVANASHI
dry plain
scattered trees, III
bare hills -

Stone ~~18 MI. N.E.~~
~~for~~

along euphorbia
fences.

COIMBATORE - 328

III - 8 - 62

336 - COIMBATORE

600 meters
STOP 203 -
16 MI. N.W.
III 8.62 COIMBATORE
1500 spec.

357 - STOP 204
dry grasshopper
slopes 475 meters
III 8.62 30
5 MI. N.W. ~~[illegible]~~ 510 meters
150 spec. COIMBATORE

STOP 205 - COIMBATORE
III - 8-62 400 meters

stayed III 7 and 8 with
americans
100 spec. 80s evenings
[illegible] 95 [illegible]

III - 10-62

COIMBATORE - 375

KARAMADAI - 391

METTUPALAYAM 396

dense groves of betel palms.

KALLAR - 401

Fragrant forest

STOP 206 - 404

650 meters

III - 10-62 50 spec.

BURLIAR

dense jungle

during [illegible], [illegible]

BURLIAR 405

[illegible]

COONOOR - 416

ARUVANKADU 419

YELLANHALLI - 421

groves of eucalyptus

STOP 207 - ~~MADRAS~~:

OOTACAMUND, III - 10-62

2180 meters

1500 specimens

2330

OO[illegible] - 435

DODABETTA PEAK

8636 ft.

highest tea growing

in the world.

2480

150 meters off

2325 meters

150

2475

STOP 208

virgin forest

N.E. SLOPE, DODABETTA PEAK

rather long

III - 12 - 62
448 - Ootacamund

2050 meters PYKARA
130
2180 8
~~10 MI. N.W.~~
~~OOTACAMUND~~
butterflies in DO[illegible]
III - 12 - 62

7000 ft - 2010 meters

PYKARA DAM - 459
huge barbaries
and orig. grapes

STOP 209 native forest
466 7 MI. N.W. PYKARA
6500 ft. III-12-62

NADUVATTAM

STOP 210 - mixed decay.
decid. forest, ghat
w. slope. 5 MI. S.E. GUDALUR
NILGIRIS 5000 ft. 472
III - 12

[illegible] small [illegible] - [illegible]
2 ant [illegible] - EGGS WITH
SMALL ANTS

other small [illegible]
[illegible] + [illegible]

large [illegible] - [illegible]
[illegible]

GUDALUR 477

THOFAPPALLY - 481

MADRAS
MUDUMALAI, III - 12 - 62
950 meters 485
STOP 211
ichneumonids
at log.
dry decid forest
[illegible]
838
950

STOP 212 - BANDIPUR,
III - 13-62
about 950 - 1000 meters

496 BANDIPUR
rahi
GUNDLUPET - 508

800 meters 522
5 MI. S.W. CHAMRAJNAGAR
one meal
few grasshoppers
STOP 213 MYSORE

barren rocky
field, low thornbrush
CHAMRAJNAGAR 527

MYSORE
543
850 meters
2 MI. N.W. PUNJUR
STOP 214
dry rolling hills,
few big trees

bamberder Carabika
PUNJUR 545
reenter Madras
excellent wild
mixed forest with
giant bamboo
HASSANUR - 552
3620 FT. 1170 meters
28 hairpins on
ghat road.

DIMBAM GHAT

10 MI. N.W. SATYAMANGALAM
2 ~~one~~ meal of ants,
one small [illegible] grasshopper
561 570 M.
one meal another small
elephant area

BANNARI - 565
SATHYAMANGALAM 572

ANNUR – 5 95

630 – COIMBATORE

KARUMATHAMPATY

L.N. SKOLD

upt. 2 MI. from KERALA
border

surrounded by

ANAIKATTI (reserve forest)

TADAGAM R.F. on north,

BOLUVAMPATTI R.F

on south.

MANGARAI, SOMAYYANUR

valley of SANGANUR-
PALLAM

PELTOPHORUM FERRUGINEUM.

Copper pod. 6 species throughout tropics

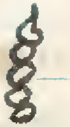
CALATROPIS GIGANTEA –

large milkweed

ERYTHRINA INDICA

Indian coral tree

ACACIA ARABICA



ACACIA PLANIFRONS –

flat topped trees

TECTONA GRANDIS

teak

PLUMERIA ALBA

Frangipani

"TROPICAL PLANTING AND

GARDENING"

H.F. MACMILLAN 1956

MACMILLAN CO.

PHOTINIA JAPONICA —
loquat - n. of S. China, Japan

ANACARDIUM OCCIDENTALE,
Cashew, N. to Trop. America,
W. Indies

MANGIFERA INDICA -
mango trop. asia.

JACARANDA MIMOSAEFOLIA
Native trop. America

BAUHINIA

BOMBAX MALABRICUM
Red cotton tree

BUTEA FRONDOSA
Flame of the forest.

POINCIANA REGIA -
Flamboyante - n. of
Madascar.

KIGELIA PINNATA -
sausage tree (pendant
fruits — trop. W. Africa

PANDANUS FURCATUS
screw pine — India.

RAVENALA MADAGASCARIENSIS
travellers tree

CYCAS CIRCINALIS
Ceylon, India.

CARYOTA URENS - TODDY
PALM ~~trop~~ asia —
pendant fruit branches

DENDROCALAMUS GIGANTEUS
Burma - giant bamboo
over 100 ft.

CHO-CHO or ~~[illegible]~~ CAYOTE —
SECHIUM EDULE —
trop. America.

black pepper, ginger,
cinnamon, cardamom
turmeric, sweet basil

[illegible] COIMBATORE

POLLACHI — 700

64

676

24

SANTHUR — 7[illegible]

PALAR R. — 703

SAN[illegible]PALAYAM — 708

SETHUMADAI — 719

575 meters —

SETHUMADAI

SETHUMADAI NR. POLLACHI

STOP 215

[illegible]

300 spc. III -18-62

few trees, open ground —

drained pasture

STOP 216 — S. INDIA!

TOPSLIP, ANAMALAI HILLS

III -18-62 760 meters

500 specimens

TOPSLIP — 726

STOP 217

560 meters — 730

3 miles from top-slip

3 MI. N.E. TOPSLIP, ANAMALAI HILLS, III-19-62

450 meters — 732

mi. Sethumadai

big [illegible]

734

734 — Seth.

ANAMALAI — 740

SA[illegible]PALAYAM — 744

UDAMALPET — 764

10 MI. S. UDAMALPET, III-19

STOP 218 — 450 m. [illegible]

774 — dry deciduous

forest, [illegible]

CHINNAR – 789
border

big embiid on bank
550 meters
784

upto 775 meters.

last culture 725 M
(30 mi. from MUNNAR 787

resp – 7..

against 850 M.
last, 875

MARAYOOR 792
764

970 meters 799
embiids in banks like

beautiful tea
estates, [illegible]

MUNNAR — largest tea
estate in India (perhaps
world) — 130,000 acres —
30,000 under tea, 15,000
under timber 75 years
old Finlay.

tree ferns

787
764
23

KANAN DEVAN
HILLS

STOP 219 — 65° F
832
6200 feet. divide
819
794
25
native forest,
tree ferns,
etc. III 20-12

831 MUNNAR

8 MI N.E. MUNNAR

839
764
75

III-21-62

MUNNAR — 842
PALLIVASAL — 847

STOP 220 —
849
7 MI. W. MUNNAR
1100 meters, III-21-62
turmeric plantation

840 meters 854
12 MI. W. MUNNAR
STOP 221
turmeric plantation,
little pond at
base — [illegible]
[illegible]

KOOMPANPARA 858
ADIMALI — 860
(2000 ft.)
[illegible] 863

BETWEEN ROAD ON MUNNAR

[illegible], [illegible]
rain, dense
rain forest jungle
on flat
877 — PERIYAR R.
OONNUKAL 883
KOTHAMANGALAM 890
PUTHUPADDY
MUVATTUPUZHA 895
rubber plantation
KOZHA — 917
ETTUMANUR 927
KOTTAYAM — 936
uniformity of
architecture — tile
or thatch roofs
turned up
at sides
us

956

PONKUNNAM –

KANJIRAPPALLY 959

STOP 222 – S. INDIA –
KANJIRAPALLY, III – 21 – 62
175 meters
150 specimens 75°

park like rubber
plantation.

MUNDAKAYAM [illegible]

KODIKUTHY – 972

PULLUPARA – 976

KADUVAPARA 977

3.28
9
2907

STOP 223 · 1000 M.
980

MAHARAJA OF TRAVANC.
garden [illegible]
III – 22
(KITTIKANAM (850 M))
KITTIKANAM, NR. PEERMADE
[illegible]

PEERMADE 983

PAMBANAR 985

Tea – 3000 – 3700 ft.

[illegible] 989

KUMILY – 992

storm blew up just arrived at
Thekkadi

STOP 224 – S. INDIA –
PERIYAR LAKE, III – 23 – 62
900 meters

CARDAMOM HILLS

MI. — KUMILY

GUDALUR — 020

CUMBUM — 025

PUTHUPATTI

031 UTHAMAPALAYAM

THENI — 049

III-24-62

5 MI. E. THENI

350 meters — 054

STOP 225 — dry granite hill

ground moist

ANDIPATTI — 059

III-24

2 MI. E. ANDIPATTI

350 meters 061

STOP 226,

flat acacia

P[illegible]PATTI [illegible]

USILAMPATTI — 072

K. [illegible]PATTI 076

SEDAPATTI — 082

MANGAL REVU — 084

PERAIYUR — 088

KALLUPATTI 095

STOP 227 — 200 meters

109

babies with thick

scrub on

few inlets, tamarind

swarming trees

of butterflies

SRIVILLIPUTTUR 114

RAJAPALAYAM 121

124 [illegible]

5 MI. N.E. SRIVILLIPUTTUR

III-24-62

138 — few nights

ind[illegible] [illegible] Zion

mission camp

150 M

BILLY GRAHAM'S CULT

SANKARANAYINARKOVIL

144

melipoda — 150 M.

152

16 MI. N.W. MANUR

One vial + [illegible]

120 meters

158 [illegible]

above

VANNIKONENDAL

DEVARKULAM — 161

163 [illegible]

STOP 228 - 10 Mi. N.W. MANUR
III -25-62

MANUR — 168

TIRUNELVELI — 180

PALAYANKOTTAI — 183

NANGUNERI — 200

STOP 229

125 meters

pale-headed [illegible]

205

5 MI. S.W.
NANGUNERI,

NAMBIAR R., III -25-62

VALIOOR — 210

CAPE COMORIN — 232

STOP 230 - S. INDIA:
NAGERCOIL, III -26-62.

600 specimens

NAGERCOIL — 251

ARAMBOLY — 260

PANAGUDI

THIRUK [illegible]

275

MANADI — 277

DOHNAVUR — 279
(AMY CARMICHEAL —
1901 temple prostitutes —
[illegible] rescuing them
Dohnavur Fellowships

STOP 231 DOHNAVUR,
TIRUNELVELI DST.
III -27

50 meters - near foot
of hills

dry granite hills

KALAKAD — 285
(Branch road to NANGUNERI)

3.MIS. KUNIYUR, TIRUNELVELI DIST.
EDs [illegible] - winged forms
with reddish [illegible],
STOP 232 III -28
50 meters - 295 (50 epc)

left for to Ambasamudram
295
KUNIYUR 298

PUTHUKUDI — 299
KARAMBAI — 304

[illegible]DAIKURICHI —
306

AMBASAMUDRAM 307
AMBUR — 313
POTTAIPUTHUR - 316
KADAYAM 318
MATHAPURAM — 320

140 meters 325
embuilts 3 MI S.E.
TENKASI

TENKASI — 328
330
KRISHNAPURAM
PULIANGUDI — 34
348

SIVAGIRI - 360

150 meters - 370
1 ♂ embiid, 1 mite
spiders
RAJAPALAYAM

RAJAPALAYAM - 372
SRIVILLIPUTTUR - 386
KALLUPATTI - 401
TIRUMANGALAM 415
THIRUNAGAR

ALBERT L.
HENNING
principle
LOCHEND LUTHERAN
school
opposite K.K. school

MADURAI 428
445 KODAI jcn.
NILAKKOTTAI - 455

6MI. W. NILAKKOTTAI
III-29-62

190 meters 459-
embiids under
stones - BABY
one mite - DRONGO

BATLAGUNDU - 461
GANGUVARPATTI - 4

750 meters

STOP 233 475
Sweeping by
monkey stream
200 specimens

22 miles from Kodai

OOTHU — 480

STOP 234 — evergreen forest,
vines
my vial - spray
with creosote paste
482
1150 meters
100 spec.

PARBAT VIHAR
486

TIGER SHOLA — 501
[illegible]

KREITZMANN —
Ogland, Burma, etc.

MEINZEN

STOP 235

1600 meters
KODAIKANAL GRADE,
1600 METERS
503
TIGER SHOLA

III — 30 - 62

STOP 236 — KODAIKANAL

2000 meters III - 30 - 62

KODAI 509

523 - BERIJAM
butterflies, [illegible]
1150 meters 530
going down

STOP 237 5 MI. E. TOP ST. 510
2200 meters III -31
[illegible]
[illegible]
800 spec.

TOPSTATION -
545 568 [illegible]

STOP 238 -
900 meters

MARAYOOR
Evergreen forest
[illegible] by [illegible] —
stream, [illegible]
[illegible]

1000 specimens IV-1,2

MARAYOOR, 27 MI. N.E. MUNNAR
[illegible] a [illegible]
80 [illegible] meters

CHINNAR - 606

[illegible]
[illegible]
607

UDUMALPET -

POLLACHI - 641

STOP 239 - COIMBATORE
930 meters
IV-2-62
350 spec. IV-1,2 -
SKOLD

IV-3 - COIMBATORE -
START 442 [illegible]
673

Salem [illegible]

STOP 240
790 198 spec. 340
4 MI. S. THOPPUR meters
IV-3-62
THOPPUR 794

KRISHNAGIRI

AMBUR — [illegible]

So heavenly
minded, so earthly
good.

STOP 241 - [illegible]
IV - 3 - 62
10 MI. S. W. [illegible] 50 spec.
350 meters GUDIYATTAM

STOP 242 - MADRAS
IV - 8 - 62

071 - [illegible]

MANKIND IN THE
MAKING
Story of human
Evolution

WILLIAM HOWELLS

Secker & Warburg
London 1960

148 - MADRAS
Down coast rd. to
? progress, back
via Trichy trunk
road.

IV - 14 - 62 -
[illegible] rd. 305
TAMBARAM = 318

WALLACE & TIERNAN
INCORPORATED
25 MAIN ST, BELLEVILLE,
N. J. or
1713 SO. CALIF. AVE,
MONROVIA, CALIF.

TETRACYCLINE
HYDROCHLORIDE

2 meters
STOP 243 335
barren, granite hill
[illegible]
ground wet, hard
[illegible]
IV-14-62
CHINGLEPUT 337

150 ppl.

VEDANTHANGAL
sanctuary
2 meters
STOP 244 IV-14
90-150 F. 1000 ppl.

416 — [illegible]

REDHILLS - 426
VENGAL - 440
VADAMADURAI 443
PERIYAPALAYAM
THANDALAM 447
PALAVAKKAM 450
THARAKSHI - 453
[illegible] - 455
SATHYAVEDU 465
THONDAMACHERI 475
REDHILLS 490

THE JUNGLE IN SUNLIGHT
& SHADOW - F. W. CHAMPION
CHATTO & WINDUS
97 & 99 ST. MARTINS
LANE
LONDON - 1933, 1934

603 - leave Madras
POONAMALLE - 612
Vellaveda - 617
TIRUVALLUR 628
TIRUTTANI - 652
PONPADI - 657
NAGARI - 663
PUTTUR - 672
RENIGUNTA - 686
TIRUPATTI

STOP 245 - TIRUPATTI
80° F night collecting
after rain.
IV - 18 - 62
1000 spec.
150
132 meters
138

note -
change
19 to 18

STOP 246 -
~~300~~ meters -
during rolling
wet - [illegible] hill.
7 280
IV-19
75 spec.
703

712 - TIRUMALA

780 meters (150 spec.)
~~800~~ meters 15
Found ants STOP
[illegible] in hill 247
IV-19

STOP 248 CALCUTTA, INDI
V - 12 - 62 200 spec.
at light on ship.

STOP 249 - CHALNA
E. PAK. 90 - 100° F
V-24-62 100 spec.

500
700
150
1350

5000
3000
4000
1000
4000
17000

6
250
100
700
700
700
700
100
500
100
700
500
200
200
200
100
100
150
700
150
150
150
300
500
200
100
700
250
150
350
200
350
400
1100

1050

300
1000
200
400
150
150
100
150
250
200
250
150
150
200
100
250
250
150
200
[illegible]
250
250
100
250
150
250
150
2
250
200
150
6600

1000
4000
3000
1000
3000
2000
5000
5000
1700
1500
1500
1100
1400
1500
33600

1500
2000
1000
1000
2500
5000
3500
1500
1000
1000
2000
1000
[illegible]

1500
1500
1000
1500
1000
1000
1000
1000
33500
33600
73100

30
25
30
40
125

17000
1350
125
18475

E. PAK.

50
50
25
50
25
25
50
50
75
50
75
75
75
75
750

75
75
75
50
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575

4
300
250
550
450
250
350
200
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500
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850
250
300
200
420
150
9200

350
210
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250
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6600

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100
150
150
150
400
150
300
300
500
400
150
150
200
100
100
150
100
100
200
200
[illegible]
350
150
150
9750

1 1 2 1
18475
73100
6600
10500
575
9200
6800
9750
750

135,750

135,750 specimens
(average) from
the Indian area

SINGAPOR
7115 — STOP 250
SELETAR RESERVOIR
25 ft. 600 specimens
VI-3-62

STOP 251 — SINGAPORE
BUKIT TIMAH

VI-4-62 100 FT
1000 specimens.

Leave Singapore VI-6-62
17043

many are swamps
rubber, black pepper
elephant [illegible]
AYER HITAM - 7114

(125 [illegible])

LABELS 150

252 – stop – cleared land, edge of forest
100 meters.

11 MI. S.L. SEREMBAN
VI – 6 – 62   50 spec.

STOP 253
KUALA LUMPUR
90 meters   K. LUMPUR
VI-7-62
1000 spec.

303 . KUALA

STOP 254 – 1000 ft. –
16 [illegible] mi. N.E. K.L.
VI - 8 - 62
~~2400~~
3000 spec. only [illegible] different [illegible]
14 mi. "KUALA" spec.

STOP 255 –
[illegible] mi. N.E. K.[illegible]
600 meters
VI-9-62
1000 spec.   3.28
100
[illegible] cleared tree   1168

c/o BOONSONG LEKAGUL
SAHAKARNBHAET HOSPITAL
BANGKOK, THAILAND

leave K.L. VI-13-62

393

Gua Anak Takun
Templer Park
F.R.   12 miles NW of KL
540 ft. cave.

STOP 256 – MALAYA –
12 MI. N.W. K.L.
VI-13-62 120 M.
150 specimens.
CAVE.

VI-16-6
459 – leave
K.L.

STOP 257 – 120 M.
140
150 spec.
VI-16-62 6 MI. S.W.
499 BENTONG

500 BENTONG

STOP 258 – moonlight
FRASER'S HILL,
4200 ft. VI-17-62
2000 spec. 60-10

STOP 258 – FRASER'S HILL

K. KUBU BAHRU
562.

WILD WOMEN
WONGO

3
12
26
19
7
19
21
104

628 – TAPAH

EMBIIDS

600 METERS.

646 STOP 259
JOR VI-18-62
50 spec.

include Cameron highlands in
62
5
66
27
91

CAMP
dense jungle

RINGLET – 56
[illegible]

STOP 260 – in CAMERON HIGHLANDS
60° – NIGHT.
BUMBLEBEES evening.

~~50–55~~

MALAYA:
G. BATU BRINCHANG,
CAMERON HIGHLANDS
6500 ft.
VI-19-62

moonlight;
cloudy, rain.

55°—60° up to 700
70 – day. 7000 spec.

C. HIGHLANDS – 692 – KINGLET

STOP 261 – 800 METERS
VI-20-62
75° – 80°
699 4 MI. N.E. JOR CAMP

JOR CAMP – 703
1000 spec.

TAPAH – 722
KAMPAR 733

GOPENG – 745

STOP ⓶⓺⓶ – IPOH, 70 meters
80°F, cooling by morning to 75
90 day.
Cloudy evening
nearly full moon.
100 specimens
VI-20-62

763 – leave IPOH,
VI-21-62

STOP 263 – limestone – 50 meters
766
VI-21-62

3 MI. S.E. IPOH

600 specimens

STOP 264—2 MI. E.
GOPENG,
VI-21-62 100 meters

KINTA forest reserve.
700 specimens
RAIN, AFTERNOON 80°F

821 leave IPOH VI-23
CHEMOR — 831
S. SIPUT — 837
K. KANGSAR — 852

KATYDID, etc.,
10 MI. W. K. KANGSAR
75 meters, VI-23-62

46
5
26

STOP 265 — PENANG
HILL, VI-26-62
100 meters
80°F 500 spec.

NEPENTHES — pitcher
plant — spider record

[illegible] — S. PATANI

STOP 266 — KEDAH
PEAK, 3300 ft. VI-28
3978 — ft.
70°F evening
65 morning.
800 spec.

STOP 267 — Kedah Pk.
350 ft. VI-29-62
80° 500 specimens

[illegible] CHANGLOON
40 meters VI-30-62

121 - border town,
THAI. cross
border VI-30-62

few beetles - SONGKHLA,
50 meters, VI-30-62

HAADYAI

THAILAND

STOP 268 - 266
150 meters
10 MI. W. PHATALUNG
200 specimens
VII-1-62

STOP 269 THAILAND:
KRA CHOÑG FOREST
NR. TRANG, VII-2-62
100 meters

80°
la — 70°

[illegible] 3000 spec.

(Province) Phatalung
Phalalung, [illegible] (District)

เขาพับผ้า -

KHAO PHAP PHA ~~(village)~~

NAKHON RANGE

STOP 268 data

Wrong change To

BAN NA (VILLAGE),
KHAO PHAP PHA MT.

---

277 -

291 - TRANG
307 - HUAYOD

343 – (CHUMPON)
VII-5

309

413 75

STOP 270 – TUNG SONG
75 M. VII-4-62
500 spec.

STOP 271 (camp left after dark) – 40 MI. S.E.
PRACHUAB, 75 M.,
100 spec. VII-5-62

457 – PRACHUAB
bamboo, through brush country

STOP 272 200
PRACHUAB spec.
850 FT VII-6-62

PETCHBURI – 552
RAJBURI – 589

Bangkok

19960
18712
1248

18712
LUBRICATION

714 – Bangkok

SARABURI – 783
(Lobcotte) 50 ft.

STOP 273 – THAILAND:
10 MI. N. SARABURI,
100 M., VII-11-62
1000 spec.

PUKAE BOTANICAL GARDEN

Bangkok [illegible]

LOPBURI – 916

[illegible] – 835

NONG PLUAG 347
TA KLEE - 876
399 - PANAKET
NAKORN SWAN
928
KAMPHANGPET -
962
TRAK - 003

STOP 274
YAN HEE DAM ~~[illegible]~~
251 VII-13 250 M.
~~[illegible]~~ [illegible]
100 spc. 80°F [illegible]
[illegible]

105 200 M. 100 spec.
STOP 275 -
MAE CHANG HAI
VII-13
1st jct. - 132

LAMPANG 192
SOP PRAB - 226
244 - junction

beetle - 500 M.
268 15 MI. S.E. LEE

STOP 276 - camp.
10 MI. S.E. LEE,
VII-13-62 600 M.
50 specimens 75°F

LEE 279

STOP 277.
380 meters VII-14
20 MI. NW. LEE.
75°F 200 spec.

BAN HONG - ~~359~~
LAMPOON 359

9354 — [illegible],
[illegible] [illegible]
[illegible] [illegible]
300 M. VII-14

7 MI. S.

CHIENG MAI STOP 278
300 M., VII-14
800 spec.

Chieng Mai - 368

STOP 279
560 meters 373
DOI SUTEP 560 meters
11 MI. W. Chieng Mai.
VII-15-62

trees 20 ft., open -
sandy gravelly soil
wet. cloudy, 80°F
grass, small bushes &
trees.
800 specimens

Camp II - overcast,
light showers, nearly full moon

875-950 meters 377
STOP 280 E. SLOPE,
DOI SUTEP overcast 76°F
Camp I THINLY nearly full MOON 15 MI. W.
VII-15-62 Chieng Mai
800 spec.

1100-
1275 meters
E. SLOPE, DOI
380 SUTEP
STOP 281 18 MI. W. Chieng Mai
oaks - open forest,
grass, bushes,
[illegible] 20-30 ft. trees
bamboo
800 spec.

leave Chieng Mai -
VII-19- 438

[illegible] 308 -
19404
VII-21-62
2000 spec; 80°-75°
[illegible] [illegible] 9

400 meters - few
spec.
492 30 MI. N.W.

VII-19-62 LEE

STOP 282 - ~~[illegible]~~
13 MI. S.E. LEE, 600 M.
VII-19-62
200 spec. open
deciduous forest -
grass!

1300
low [illegible]
bll tube

3.28
1300
~~984~~ ~~400~~
328
~~426~~ 400

MELAPONIDAE

TRIGONA

800 specimens

Camp II - overcast,
light showers, nearly
full moon

594 - start
VII-20
604 - junction
TAK - 632
KAMPHANGPETCH - 671

few spec.
743
50 ft.

NAKORNSAWAN
~~745~~
CHAINART - 755
[illegible] - 800
SAIYONG 841

STOP 283 - 100 M
10 MI. N. SARABURI
VII-21-62
2000 spec. 80°-75°
taken about 9

882 - leave

SARABURI - 892

939 -

944 DON MUANG

arrive - 957

SOUTHEAST ASIA,
E. H. G DOBBY
UNIV of LONDON Press.

19965 LUBRICATION
Bangkok

STOP 284 BANGKOK,
sea level. VII - 24 - 62

400 spec.

972 start [illegible]
975 - U. [illegible]

976 Don Muang

SARABURI JCT. - 039

STOP 285
375 M. - 085

N. GATE, KHAO-YAI NAT. PARK -
VII - 25 - 62

300 spec. dry forest

rest area, flowers -
78°F rain

STOP 286 -
750 M. - 043

KHAO-YAI NAT. PARK,
VII - 26 - 62

70°F evening

5000 spec.
3000

SARABURI - 169

STOP 287 — 8 MI. S.E.
SARABURI, 100 M,
VII-28-62
TONE RAK SAI &
SAM LAN
waterfalls

bamboo, much
grass, vines,
secondary growth
then [illegible].
PHRA BUDDHA CHAI
800 spec.

BANGKOK - 258
CHOLBURI - 310
BANG SAEN - 325
SATAHEEP - 361
RAYONG 389

Ban-pe jct. — 417

STOP 288 — BANPE,
15 MI. E. RAYONG
sea level.
VII-31-62
50 spec.

KLANG 436

STOP 289 — 75 meters
VIII-1-62
20 MI. S.E.
CHANTABURI
1000 spec.
485
505 jct.

511 - CHANTABURI
591 -

545 - CHANTABURI
JCT.

KLANG - 581
RAYONG - 610
SATAHEEP - 639
BANG SALU - 683
CHOLBURI - 690

---

leave BANGKOK, VIII-5 -
7.50
VIII 7
NAKORNPATHOM [illegible] 795
RAJBURI 826
PETCHBURI 861
(12 MI. N. HUA HIN -
animal - 890
mostly S.L.
[illegible] MAH.
HUA HIN - 902

STOP 290 - PRACHUAB
(see stop 272)
70°F, rain VIII-6-62
100 spec.

PRACHUAB - 963
TAB SAKAE JCT - 989
([illegible] STOP [illegible] - 005)

STOP 291 - CHUMPHON
10 meters
VIII-6-62
250 spec.

TUNG SONG - 085
[illegible] - 191
[illegible] 178
20 MI. [illegible] 169

167 PATALUNG JCT,
RATAPOOM 212

STOP 292 – KRACHONG
FOREST, NR. TRANG,
100 M., VIII – 8 – 62
200 specimens

PAK – WELL
~~PACK~~ GLASSINE
BAGS
1000 1 oz. flat
2 3/4 x 4 1/4 B25

PAK-WELL PAPER
PRODUCTS CO.
2200 S.E. SEVENTH
AVENUE, PORTLAND 14
oregon.

254 – START
VIII-9
310 – Chang Lun
JITRA 321
Alor Star – 333
S. PATANI 369
B. MERTAJAM 379
K. KANGSAR 462
S. SIPUT. 474

IPOH 495
[illegible] UG 507
KAMPAR – 519
TAPAH 530
BIDOR – 538
MALIM 552

STOP 293 – MALAYA
3 MI. S.E. IPOH, 50 M.,
VIII – 10 – 62

100 spec.

STOP 294 – 16 MI. N.E.
K. LUMPUR,
1000 ft. , VIII – 12 – 62

600 spec.

---

start – VIII – 15

689

KAJANG – 707
SEMENYIH

SEREMBAN – 738

[illegible] – 784

YONG PENG [illegible]

DR. ERNEST P. HODGKIN
DEPT. of ZOOLOGY
UNIVERSITY of WESTERN
AUSTRALIA

NEDLANDS, PERTH,
AUSTRALIA

STOP 295 – SINGAPORE;
BUKIT TIMAH 100 ft.,
VIII – 19 – 62

200 spec.

$ 2.10

STOP 296 – BOTANIC
GARDEN SINGAPORE –
50 ft., VIII – 20 – 62

100 spec.

32,000 speci-
mens (average)
from S.E. Asia

leave Singapore –
M.S. K. LUMPUR, AUG. 22

22,000
17,000 miles

5,000 miles S.E.
ASIA

---

about 2½ months

FOREMOST

[illegible]

Wider
terrain

JOHN FORREST NAT.
PARK

lat 31 32'

STOP 297 – W. AUST. :
DARLINGTON, 450 ft.
CHANGE TO 5
IX – ② – 62

3000 spec.

low 41 – high 70

STOP 298 – W. AUST. –
KING'S PARK, PERTH
IX – 5 – 62
100 ft.

200 spec.

COMPLETE ADVENTURES of
SNUGGLEPOT & CUDDLEPIE
by MAY GIBBS
ANGUS & ROBERTSON LTD,
SYDNEY 1946

FURRED ANIMALS of AUSTRALIA :
by ELLIS TROUGHTON
ANGUS & Roberston
Sidney 1948

CORRECT HOST LABEL
for WEEVILS — to go
on cigar box —

344
4000
2088
1912

BLACK BOY XANTHORRHOEA

22088 — leave
Midland, IX-14-62

MUNDARING — 097
(behind) SAWYERS VALLEY
200 meters

SAWYERS V. — 099

BAKER'S HILL? 12

NORTHAM 136

STOP 299 — W. AUSTRALIA.
10 MI. E. NORTHAM,
150 M., IX-14-62
wheat fields, rocky outcrop,
XANTH. common —
acacias. WANDU
700 spec.

MECKERING — 158
TAMMIN — 187

STOP 300
325 M — IX-15-62
197 sagebrush —
striking legume common
here
5 MI. W. KELLERBERRIN
WANDU 700 spec.

KELLERBERRIN
202

238
223
15

STOP 301 — W. AUSTRALIA!
15 MI. W. MERREDIN
223
275 M., IX-15-62.
SALMON GUM — E. SALMONO-
PHLOIA
800 spec. for notes
CAMP

HINE'S HILL

MERREDIN — 237

CARRABIN

WINDY

STOP 302 — by R.R. —
many insects on flowers —
W. AUSTRALIA: 30 MI. E.
MERREDIN, 375 M., IX-16-62
1500 specimens
70-75°
cypress, scrub, low E. & acacia

between CARRABIN
and YERBILLON

NOONGAR 281

MOORINE ROCK - 291

WINDY

STOP 303 — ACACIA STOP by
road, little dam —
MOORINE ROCK
14 MI. W. SOUTHERN CROSS
375 M., IX-16-62
300 spec. 70°-75°F

SOUTHERN CROSS 304

STOP 304 — low scrub —
many kinds of plants,
acacia —
grevillea — 10 MI E. SOUTHERN
CROSS. 425 METER —
IX-16-62
700 spec. Yellowdine

YELLOWDINE - 325
KARALEE - 335

STOP 305 - 30 MI. E.
S. CROSS
350 M.
CAMP
1700 spec. IX-16-62
black light not the
grasshoppers
SALMON GUM WOODS

TALL ACACIAS 10 ft —
small acacia & shrubs
[illegible] — creeping
up the road a mile
full moon later —

54 MI. W. COOLGARDIE

STOP 306 — 64 MI. E. S. CROSS
325 M., IX-17-62
[illegible] 75°F 100 spec.
SCATTERED GRANITE HILLS
dry brush, [illegible]
found three pairs
EMBIIDS

BULLABULLING – 400
COOLGARDIE – 418
KALGOORLIE – 442
BROAD ARROW – 465

484 STOP 307 –
(40 MI. N. KALGOORLIE)
20 MI. N. BROAD ARROW
325 M. IX – 17 – 62
10 – 20 ft. [illegible]
sage brush –
CAMP · [illegible] IN BRUSH

Good night collecting
before moon
Red [illegible] sandy soil
~~150~~ 200 spec.

GOONGARRIE – 497
MENZIES

[illegible]
CROS
IX – 16 – 62
700 spec. Yellowdine

18
48
66

67
37
30

308 – WELL; BUPRESTIDS
on ACACIAS, —
549
350 M. IX – 18 – 62
dry creek
37 MI. S. LEONORA
sandy, gravelly soil
150 spec.

LEONORA – 586
49
37

614
586
28

STOP 309
[illegible] on kangaroo
water hole – 350 M.
IX – 18 – 62
28 MI. E. LEONORA
614
bush [illegible] 10 ft.
red sand gravel
700 spec.

NR MURRIN
MURRIN
23

3
61
66
36
69
118
24
379

MORGANS — 651

STOP 310 — (MT. MORGANS)
MORGANS, NR. LAVERTON
350 M. IX — 19 — 62
150 spec.
55° [illegible]
sand c gravel
windy, warm

insects beaten [illegible]
and water [illegible] near
Morgans [illegible]

MALCOLM — 690
KOOKYNIE — 716

CROS
IX — 16
900

few specimens —
400 M. 725 —
IX — 20 — 62 —
30 MI. N.E. MENZIES
15° F
sandhill 5 ft scarp —
base gravel.
[illegible], dry [illegible]

MENZIES — 756
BROAD ARROW — 814
KALGOORLIE
COOLGARDIE — 863
CAMPONOTUS — 400 M.

WIDGIEMOOLTHA 928

CAMP — STORM — 995
25 MI. N. NORSEMAN IX-21-62

NORSEMAN = 970

DA NIELL — 001

SALMON GUMS 030

GRASS PATCH 048

(MUTILLID — nr. [illegible] 10 MI. S. [illegible] patch) [illegible], ants, etc.

GIBSON SOAK, nr. Esperance — 151 ants, beetles, [illegible]

ESPERANCE — few specimens, 103

[illegible] — 110

CAMP by big

[illegible] pain

[illegible] flat-stemmed

acacias — 172

222
172
50

~~30~~ 50 MI. E. RAVENSTHORPE

70 METERS

IX-23-62

big [illegible]

STOP 311

154 30 M.

222
184
38

on the Oldfield R.

[illegible]

OLDFIELD R, NR.

38 MI. E. RAVENSTHORPE

IX-23-62

low Eucalyptus, 5-10 ft —

mostly low bushes 2-4 ft.

100 spec.

BANDALUP CREEK*

206 — 110 M. STOP 312

limestone ridge

[illegible] — small

Eucalyptus, acacias

up to 5 ft.

IX-23-62

15 MI E. RAVENSTHORPE

[illegible] B. [illegible]

JERDACUTTUP River

200 spec.

[illegible]

RAVENSTHORPE - 222
JERRAMUNGUP - 292
ONGERUP - 316
BORDEN - 334

CAMP ON PAPER COLLAR
GULLY ROAD —
STOP 313 - 20 MI. S.
BORDEN, 200 M.,
IX-23-62.
at base of Stirling Range -
~~[illegible]~~, large Eucalypts,
small acacias, grass,
wild flowers -
surrounded by low
scrub on the rockier
rises..
partially
Cloudy, cool, breeze
in the morning - low of
40°F.
nr. Chester Pass
150 spec.

STOP 314
365 - S. side Chester
Pass - large Red
Gums, Banksia -
rock & grass, burned
area - Darling Sand (white)
[illegible] - THE GOLD
HOLE - sweeping
trees 30-50 ft high
ponds -
SAND CHESTER PASS,
STIRLING RANGE

IX-24-62 200 spec.
200 METERS

PORONGORUPS -

ALBANY 410

STODGI HARKER
(bad ear)

MEE BELLUP – 427
DENMARK – 442

Beetles [illegible] on coastline –
455
[illegible]
WILLIAM BAY

me
15

BOW BR. – 175

STOP 315 – VALLEY of the GIANTS –
150 M., IX – 29 – 62

tingle, karri, [illegible]
[illegible]
[illegible] UNDERSTORY
CASUARINA, (150 spec)

WALPOLE – 495

STOP 316 – KARRI, MARRI, JARRAH, CASUARINA
[illegible] logged [illegible]
[illegible] 25 MI. N.W. WALPOLE
521 – [illegible]
100 M. IX – 25
50 spec.

SHANNON R — 536
JCN — 538
NORTHCLIFFE — 555
[illegible] like the Olema valley —
[illegible], red
Clematis, [illegible]
PEMBERTON — 574

200 M. — [illegible]
MARRI, KARRI —
Pandorea
under story of [illegible]
[illegible]
pretty
[illegible] 584
10 MI. N.E.
PEMBERTON
IX-25-62

MANJIMUP — 594
BALGARUP 599

[illegible]
look like oaks

YORNUP — 608
BRIDGETOWN 616

[illegible] spec. —
320 M. —
red gum
Banksia, laterite
like Darlington.
617
(combine)

STOP 317 — 13 MI. W.
BRIDGETOWN, 320 M.;
IX-25-62
CAMP
Red gum, Jarrah,
Banksia, blackboys —
laterite gravel —
cloudy, raining; cold night
150 spec.

NANNUP 645

30 MI. S.W. NANNUP —
excellent forest
with [illegible] Karri -
[illegible] understory,
forest fire damage
ALEXANDRA BR. [illegible]

STOP 318 — **ALEXANDRA BRIDGE**, BLACKWOOD R., 25 meters
IX-26-62
beautiful picnic
spot, parks, flowers
[illegible] [illegible]

~~800~~ 300 spec.

[illegible] came on [illegible]

KARRIDALE - 695 -

STOP 319 nr. KARRIDALE,
HAMELIN BAY
sea level -
sweeping grass -
sand dunes - Warm
day, windy in exposed
spots -

IX-26-62
800 specimens

KARRIDALE 700
MARGARET R. 724
YALLINGUP -

[illegible] as big
as oaks

DUNSBOROUGH 753

STOP 320 – CAPE NATURALISTE

MHUB

IX-27-62

Eagle Bay – Camp

Bunker Bay, collect – near lighthouse – partially cloudy, clearing [illegible] then – average – 60°F. Green grass, peculiar low scrub on rocky ridges, lime-stone cliffs, granite, kelp flies, blackbags, Red gums largely –

800 specimens

SCRUB WOODLAND

MALLEE

ACACIA SCRUB – MULGA

BUSSELTON 810

[illegible] ("weed")

TUART forest, under-story of willow-like myrtle trees.

STOP 321 – 7 MI. N.E. BUSSELTON, 50 M.

IX – 28 – 62

MID FOREST 20 ft. AGONIS

tuart forest, willow-like myrtle and tall legumes, grass, wild wysteria, etc – sunny day, 65°F

UNDER-STORY 6 ft.

100 spec.

sweepings

CAPEL – 827

BUNBURY – 847

AUSTRALIND – 854

S. DARLING Scarp – looks just like coast range pasture country with E. instead of valley oaks.

BRUNSWICK JN. – 861

~~HARVEY~~ 874

WAROONA – 891

PINJARRA – 906

MANDURAH – 919

800A.

STOP 322 – 6 MI. N. MANDURAH

30 meters – IX-25-62

Sweeping grass & 1 ft. [illegible] – had been burned over, now fresh & green

750 pc.

warm, sunny, breezy

limestone base

SAFETY BAY – 941

ROCKINGHAM.

STOP 323 – DARLINGTON
950 ft., IX-30-62

Weather generally cool, heavy rain, some sun – flowers more advanced than before

300 spec.

STOP 324 – FREMANTLE,
40 M., [illegible] X-1-62,

15 spec.

Limestone, grass-covered hill nr. military instillation S. of town. Not far from train tracks and beach.

Sweeping and beating parrot bush in flower, scattered several ft. apart – low acacias in some places ~~100 specimens~~ – ([illegible] 4 ft. high) – parrot bushes up to 6 ft.

STOP 325 – King's Park,
Perth,
fairly sunny afternoon
sweeping, etc. –
grass higher, more
flowers than 2 weeks
before
100 ft.
X-1-62
~~B~~ 15 specimens.

LEAVE MIDLAND –
X-3-62 –
, 4
24200
(LUBE JOB – 24180)
extensive vineyards
BINDOON – 242
Dense understory of
black boys
NEW NORCIA – 274
WALEBING – 295.
BINDI BINDI – 306
MILING – 316
PITHARA 338
DALWALLINU – 346
WUBIN 358

WHEAT OR PASTURE

many beautiful
roadside flowers —
& wildflowers, etc.

~~PAYNE'S FIND~~
hilly area, excellent
flora.

280 miles from Perth

STOP 326 —
400M . 5 - 10 ft.
bushes, well-spaced;
CAMP —
large granite outcrop,
red earth — thin
grass. many
grasshoppers.
50 spec.

17 MI. N. PAYNE'S FIND
X-3-62
Cold wind, rain,
clearing at night. 400 spec.
clear morning

MB 1105
OK SERIES

PAYNES FIND — 453 20
17
479 - CAMP (STOP 326)
WYDGEE - 486
MT. MAGNET - 541

STOP 327 - 7 MI. N. notes
MT. MAGNET, 410 M.,
X-4-62 -
Specimens (+ Embiids) -
from LENNONVILLE ——.

CAMP by big boulder,
heavily eroded granite
area — cold, windy
clear night, cloudy
afternoon —

100 spec.

very sparse vegetation —
some grass (very thin) 4-6 ft.
legumes & other xerophytic
bushes here & there among
rocks.

MT. MAGNET - 573

7.10
CUE - 624
46

610 - 8 spec -
sweep acacia -
dermestids
440 M.

many wasps on
acacia - sunny,
windy afternoon.

75 spec. X-5-62

45 MI. N.W. CUE

440 meters

STOP 328

150 specimens.

Co
Clea
Clear.

3.6
MILEURA - 718.

707 - 330 m -
few spec. by well

STOP 329 - MILEURA,
350 M. X-5-62

CAMP by wash, some
white barked Eucalyptus
(2 species at least) -
white, paper-barked
myrtles along dry
washes - one small
pond, trapped fish -
crickets in holes in
ground. Scattered acacias
cassias, etc - 5 ft. high
- stream-side trees up
to 30 ft., often 20 ft.

(50 specimens)

STOP 330 - .735

310 M. X-6-62

18 MI. N.W. MILEURA

by large wash,
very big pond -
many wasps on
white-flowered
shrubs,
stone turning
70°F, sunny,
some breeze -
Eucalypts, Acacia,
cassias etc.

100 spec. surrounding plains -
low bushes acacia, etc -
occasional E. trees, esp. on creek.
very dry area except by
pond.

BEF RINGARRA

STOP 331 - MILLY MILLY,
300 M., X-6-62

CAMP - under peculiar legume
along wash with few
pools - much tin & stones
around tumbled down
fences - sandy soil,
low scrub - gums
along creek. Warm, still
night - clear -
sunny afternoon &
morning

including Murchison R.
waterhole specimens -
reeds & some flowers
in salty sandy banks
area good for wasps.
surrounded by scrub-covered
300 specimens plains,
some
grazed grass cover here
& there on ground.

MILLY MILLY — 775
BERRINGARRA - 792
MT. GOULD - 825
MOORARIE - 845
9 4
BELELE - 886
8

STOP 332

Camp - 8 MI. S.E. BELELE
29 MI. N.W. MEEKATHARRA
~~(water)~~

400 M., x-7-62

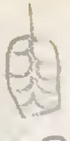
Sandy wash, white-barked Eucalyptus - 2 to 6 ft. acacias, etc. - sandy soil; some leaf litter, no ground cover - dry.

Red hill, very rocky nearby - new embiids in rock cracks.

60°F warm, calm, clear evening, becoming windy later and all morning

50 spec.

NO SIGN OF WATER



(24925 - grease job)

MEEKATHARRA 925

(few spec., larval - 40 MI. N. MEEKATHARRA 450 M.)

STOP 333 — 011 —
525 M. — reddish rocky hill, C. wash in distance - mainly beetles under stones

x-8-62 86 MI. N.E. MEEKATHARRA

near DOOLGUNNA homestead/ near S. branch of GASCOYNE River. 80°F - sunny, clear, slight breeze - very dry - xerophyte ~~[illegible]~~ very sparse on hill, no cover. 30 spec.

STOP 334 - 82 MI. S.W.
MUNDIWINDI, 600 M.
X-8-62

CAMP — on ~~[illegible]~~ ck., patches of bare red gravel, hard packed very dry sandy soil — low bushes and 10 ft. bushes well spaced — patches of spinifex — Sandy ck. nearby lined with River Red Gum behind that, a rocky ridge.

no sign of water

warm, breezy afternoon — calm, clear evening — good light collecting 60°F

200 spec. Windy, clear morning

Entered by Steep Creek dip (movie of)

077 - CAMP -
MUNDIWINDI - 160
JCN - 251
MARILLANA - 287

336 - lunchsite, few insects dry blossom wash - 475 M.

362 - WITTENOOM.
36/27 (oil change)

STOP 335 – ~~WITTENOOM~~,
475 M., X-9-62

WITTENOOM GORGE

CAMP near pool, right
in the gorge – shale,
stratified cliffs, river
gums scattered here &
there – spinifex-covered
rocky area adjacent to a
cliff above camp –
3/4 moon, warm, still,
clear night – good
collecting.
Except for pool, very dry.
creek bed shrubs (small)
growing among shale
rocks.

300 spec.

RIEBECKITE (blue
rocks with asbestos
NULLAGINE series
of PRECAMBRIAN
(Hamersley Range)

STOP 336 – ~~DALES~~ DALES
GORGE, 625 M., X-10-62

few spec. around pools
in bottom of gorge –
green sedges 4 ft. deep.
large gums, paper-
barked trees. steep
cliffs of stratified rock,
dry on way down –
conifers growing on cliffs.
mostly dragon- & damselflies.
a few alcohol spec. on trail.
warm, sunny, [illegible] afternoon
(hills about – grassland,
50 spec. scattered E. trees.)

(2 LITTLE SAVAGES —
ERNEST THOMPSON SETON
SET UP ABOUT 8(EIGHT)

STOP 337 — YAMPIRE
GORGE, NR. WITTENOOM —
625 M., X-10-62
Camp among big
paper-barked trees &
Eucalyptus —
sedges & tree seedlings —
some grasses in
gravelly gully —
ponds up to 4 ft. —
deep — algae
bad night collecting
(breeze)
warm, 65°-75°, clear.
dry grass on stratified
cliffs. (rolling hills above
cliffs (out of black light view) —
grassland with scattered E. trees.

250
[illegible] spec.

WOGS — insects, anything
that "crawls"

WOG BAG — butterfly
net

JCN. ± 454
(few spec. — 53 MI. N.E
WITTENOOM — 370 M.)
X-11-62) (parrots.
or 10 MI. S. WHITE
SPRINGS

LEPISMIDS — 140 M. —
557 55 MI. S PORT HEDLAND
1 sp. [illegible] — granite
exfoliations

PORT HEDLAND — 614
(25,614 — lube
job)

635 – fan. G.N.H.
644 – TABBA CR.

flat grassland
dotted with pyramidal
termite mounds
3–5 ft. tall.
strips of white-
barked Eucalypts.

Surrounding plains – very thin ~~[illegible]~~ 50 spec. apiece small.
open grazed woodland ~~[illegible]~~

STOP 338 – DE GREY,
E. PT. HEDLAND – 10 M.,
X – 11 – 62

Camp on sandy dry
river, on old flood plain
border with grass &
Eucalyptus, paper-bark
trees, 3 leguminous CASIA ALSO
trees, small fig bushes.

nearly full moon, calm
clear, warm evening.
nearest water quarter
50 spec. mile away.

665 – De Grey R.

737 – shed area
731 – [illegible] PAN, LANE
754 – take left fork

many scattered
Casia trees (Bauhinia
possibly) with
large purple pods

2 wasps – 700
5 m. spring

$\frac{69}{614}$ 86

86 MI. N.E. Port Hedland

Beautiful sand
dunes

3 insects – 123 MI.
N.E. PT. HEDLAND

MANDORA — 777
'air to Broome. 123
4[illegible] [illegible]

ANNA PLAINS 4 cm.
832

STOP 339 — 923 THANGOO,
NR. BROOME

10 meters, X-12-62
Camp by dry well &
empty tanks - good night
collecting in spite of nearly
full moon - warm, still,
clear -
Dry, red sandy area -
savannah - grassland -
open low woodland, many
fruit bearing trees &
bushes. some 15. ft.
brown-barked Eucalyptus

200 spec.